

MAEDA, K. et al.
Appl. No. 10/705,775
Amendment dated October 9, 2007
Response to Office Action dated July 9, 2007

Amendments to the Drawings:

The attached sheets of drawings include changes to Figures 11 and 20-25. These sheets replace the original sheets including Figures 11 and 20-25. In Figures 11 and 20-25, previously omitted legend “--Prior Art--“ has been added.

Attachment: Replacement Sheets
Annotated Sheets Showing Changes

MAEDA, K. et al.
Appl. No. 10/705,775
Amendment dated October 9, 2007
Response to Office Action dated July 9, 2007

REMARKS

Upon entry of this amendment, claims 1-22 are pending. By the present amendment, claims 1-9, 11-17, 19 and 21 are amended. Favorable reconsideration of the application is respectfully requested.

The objection to claims 15-18 under 37 C.F.R. §1.75(c) is respectfully traversed. Without acquiescing in the objection, claim 15 has been amended to correct its dependency. With respect to claim 18, it is noted that this claim specifically recites data signal line sets that are not recited in claim 11. Therefore, the objection is overcome, and reconsideration and withdrawal thereof are respectfully requested.

The objections to claims 1-6, 8-11, 13, 14, 16-19 and 21 are respectfully traversed. Without acquiescing in the objections, it is noted that claims 1-6, 8, 9, 11, 13, 14, 16, 17, 19 and 21 have been amended. Accordingly, the objections to those claims have been overcome. With respect to claim 10, it is noted that claim 3 (from which claim 10 depends) recites that each data signal line group comprises “a predetermined number of adjacent data signal lines sequentially connected to each video signal line.” Claim 10 recites what the “predetermined number” recited in claim 3 is. Claim 18, which depends from claim 11, is similar in this respect to claim 10. Thus, it is respectfully submitted that claims 10 and 18 do, indeed, define further features. Accordingly, reconsideration and withdrawal of the objections are respectfully requested.

MAEDA, K. et al.
Appl. No. 10/705,775
Amendment dated October 9, 2007
Response to Office Action dated July 9, 2007

The drawings are objected to for not containing a “Prior Art” legend in Figures 11 and 20-25. The drawings have been corrected to include this legend, and the corrected drawings and annotated sheets are submitted herewith. Accordingly, reconsideration and withdrawal of the drawing objection are respectfully requested.

The rejection of claims 1-4, 7, 10-12, 15, 18, 19 and 21 under 35 U.S.C. §102(b) over Japanese Patent Application No. JP2000-181394 (hereinafter “Sunao”) is respectfully traversed. Without acquiescing in the rejection, it is noted that claims 1-4, 7, 11, 12, 15, 19 and 21 have been amended. Accordingly, the rejection will be discussed with respect to the claims as amended.

Sunao is directed to a low power consumption display for a mobile device. According to Sunao, the sampling circuit successively selects a data line for every two lines in one group in which data lines are collected for every four lines, or selects all data lines in the group and samples and impresses a picture signal on the selected data lines to reduce the horizontal resolution to one-half or one-fourth, thereby lowering the driving frequency of a data line side to reduce power consumption. Thus, Sunao is directed to reducing the output resolution of a display to reduce power consumption. Sunao is not concerned with power consumption when displaying video that has a lower resolution at its source, as compared to high resolution output. In this regard, Sunao has a similar arrangement to the prior art discussed in the background section of the instant

application. Namely, adjacent data signal lines are connected to different video signal lines.

In complete contrast, the claimed invention recites an arrangement wherein data signal lines are arranged in groups comprising a predetermined number of adjacent signal lines sequentially connected to each video signal line, wherein the number of sequential adjacent signal lines connected to each video signal line is equal to the number of video signal lines. The data signal line groups are arranged in blocks wherein each block is made up of a number of data signal line groups equal to the number of video signal lines. Thus, the claimed arrangement of Sunao is entirely different from that recited in the claims.

Moreover, according to the claimed arrangement, for example, two data signal lines adjacent to each other in a block are connected to the same video signal line (see, e.g., Figure 1). This arrangement is present not only in the case of respectively driving the data signal lines in the block (e.g., high resolution driving), but also in the case of simultaneously driving the data signal lines in the block (e.g., low resolution driving). Thus, it is always possible to transmit video signals different from each other to each video signal line. Thus, it is possible to lower power consumption in the case of lower resolution driving as compared with higher resolution driving.

In complete contrast, the technique of Sunao is such that data signal lines adjacent to each other in the block are respectively connected to different video

MAEDA, K. et al.
Appl. No. 10/705,775
Amendment dated October 9, 2007
Response to Office Action dated July 9, 2007

signal lines as illustrated in Figure 1 thereof. Thus, in the case where it is necessary to simultaneously drive the data signal lines adjacent to each other, as in low resolution driving, the same video signal is transmitted to each of the video signal lines respectively connected to the data signal lines. Therefore, it is impossible to perform multiphase development as sent forth in the claimed invention.

It is axiomatic that in order for a reference to anticipate a claim, the reference must disclose, teach or suggest each and every feature of the claim. As set forth above, Sunao fails to teach or suggest each and every feature of the claimed invention. For example, there is not teaching or suggestion in Sunao of the claimed arrangement of data signal lines and video signal lines. Therefore, Sunao fails to anticipate the claimed invention. Accordingly, reconsideration and withdrawal of the rejection are respectfully requested.

The rejection of claims 5, 6, 8, 9, 13, 14, 16, 17, 20 and 22 under 35 U.S.C. §103(a) over Sunao in view of applicants' admitted prior art (hereinafter "APA") and Kihara et al. (U.S. Patent No. 5,781,171, hereinafter "Kihara") is respectfully traversed.

It is respectfully submitted that neither APA nor Kihara, either singly or in combination, overcome the fundamental deficiencies noted above with respect to Sunao. Therefore, even if, *arguendo*, the combination of Sunao, APA and Kihara were proper, the proposed combination nevertheless fails to render the claimed

MAEDA, K. et al.
Appl. No. 10/705,775
Amendment dated October 9, 2007
Response to Office Action dated July 9, 2007

invention obvious. Accordingly, reconsideration and withdrawal of the rejection are respectfully requested.

In view of the foregoing, it is respectfully submitted that the entire application is in condition for allowance. Favorable reconsideration of the application and prompt allowance of the claims are earnestly solicited.

Should the Examiner deem that further issues require resolution prior to allowance, the Examiner is invited to contact the undersigned attorney of record at the telephone number set forth below.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By: _____


Updeep S. Gill
Reg. No. 37,334

USG:dbp
901 North Glebe Road, 11th Floor
Arlington, VA 22203-1808
Telephone: (703) 816-4000
Facsimile: (703) 816-4100



FIG. 11

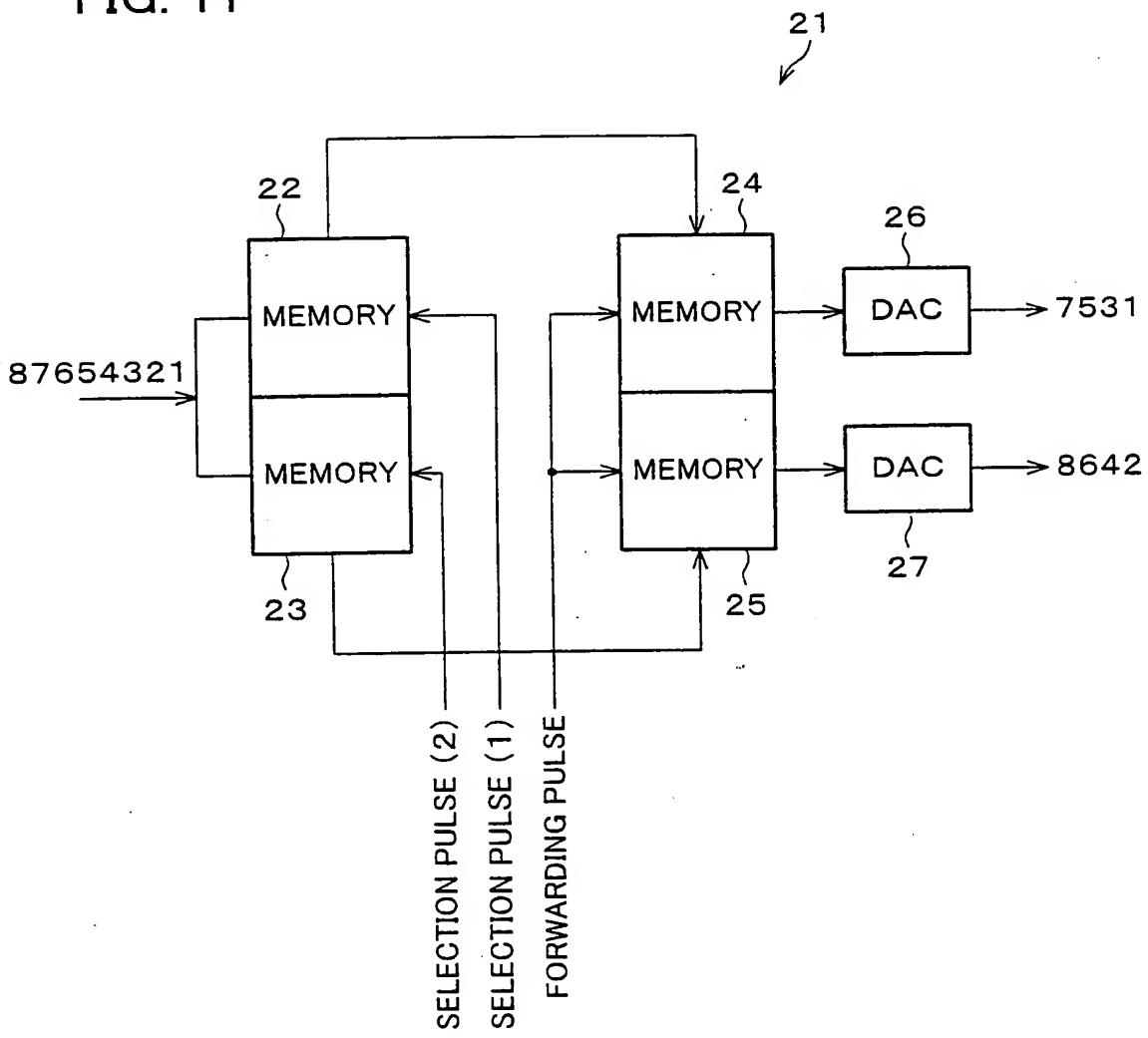
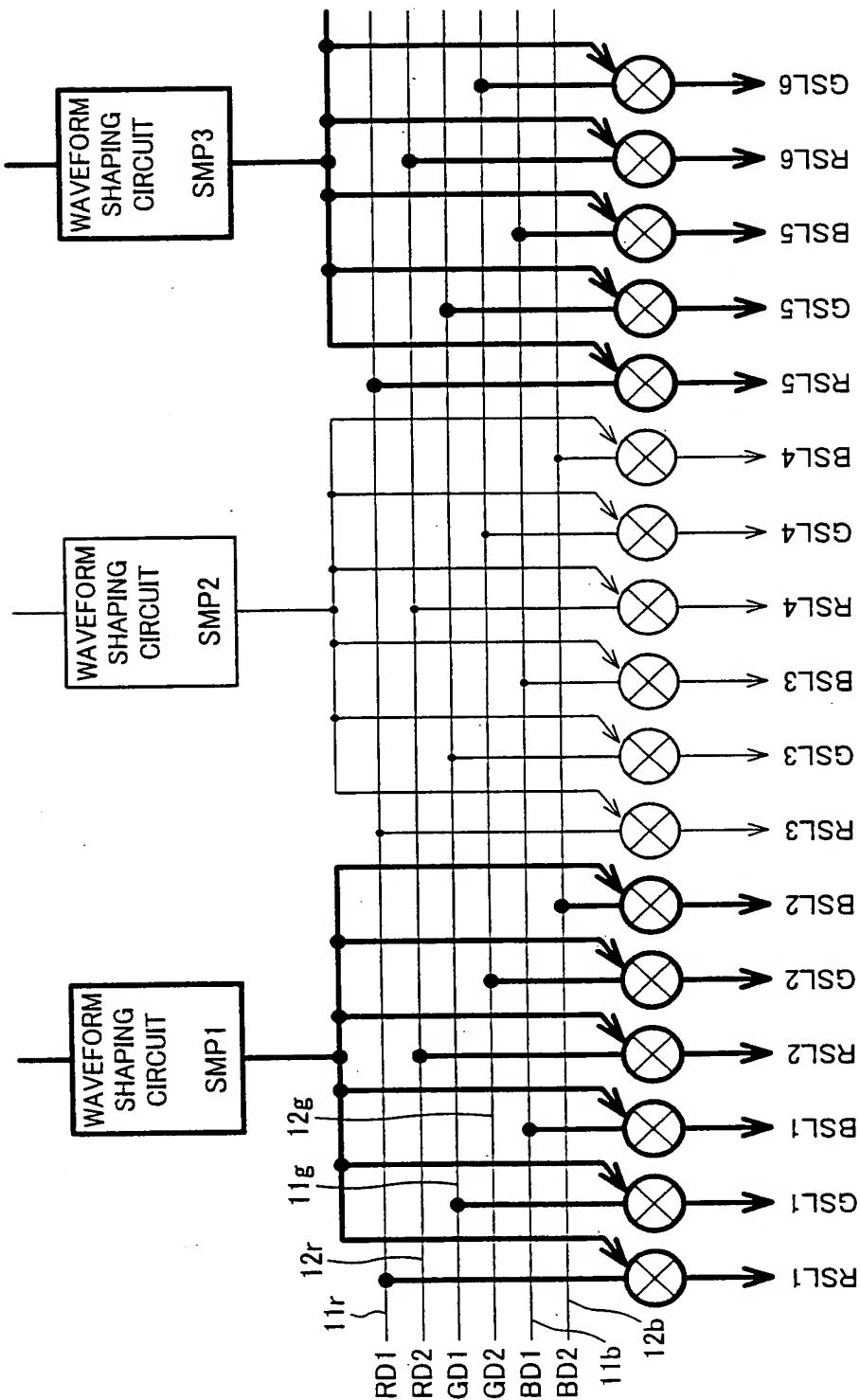


FIG. 11
Prior Art

Prior Art

FIG. 20



Period Act

FIG. 21

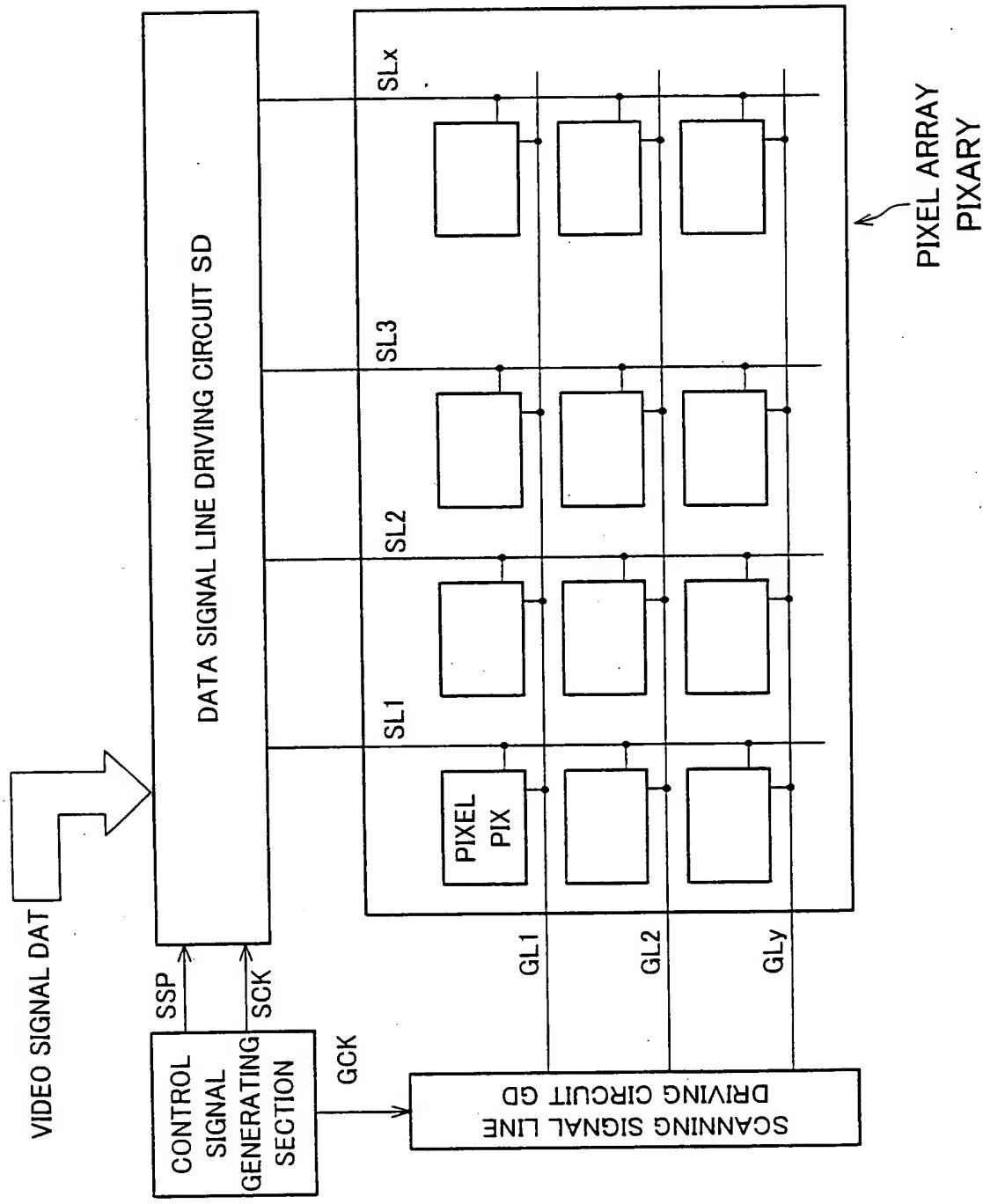
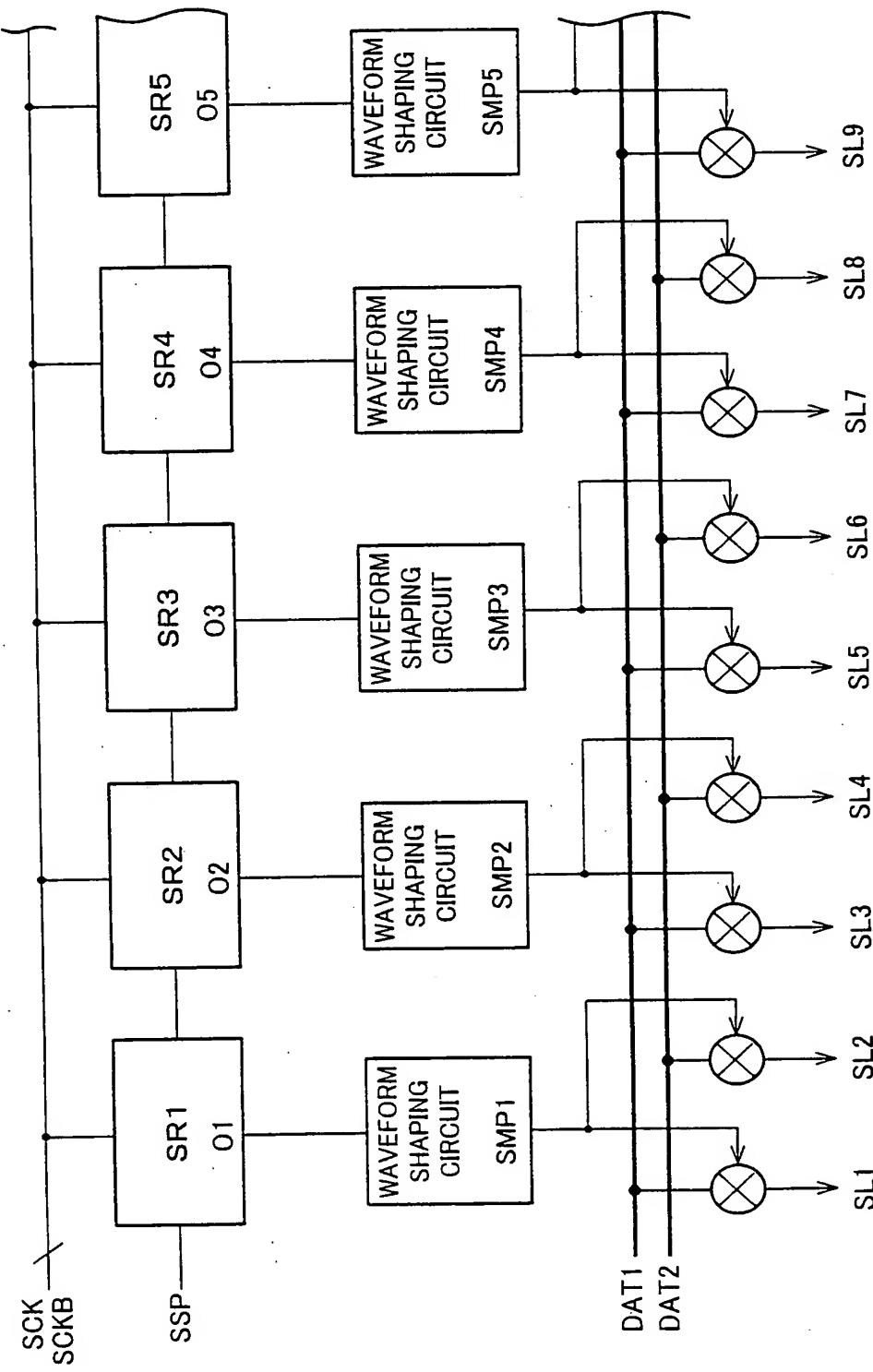


FIG. 22

Period A&T



Prior Art

FIG. 23

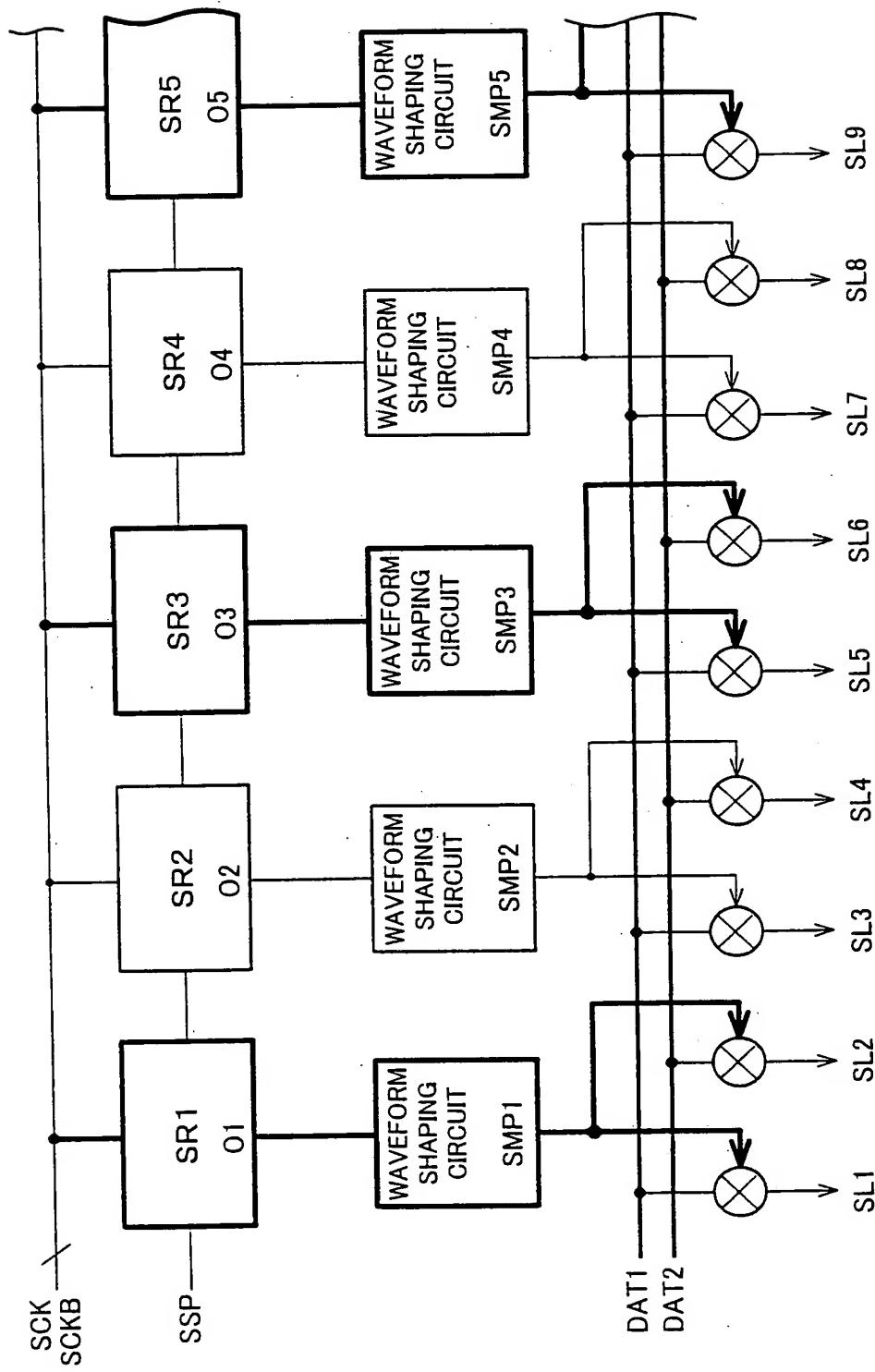
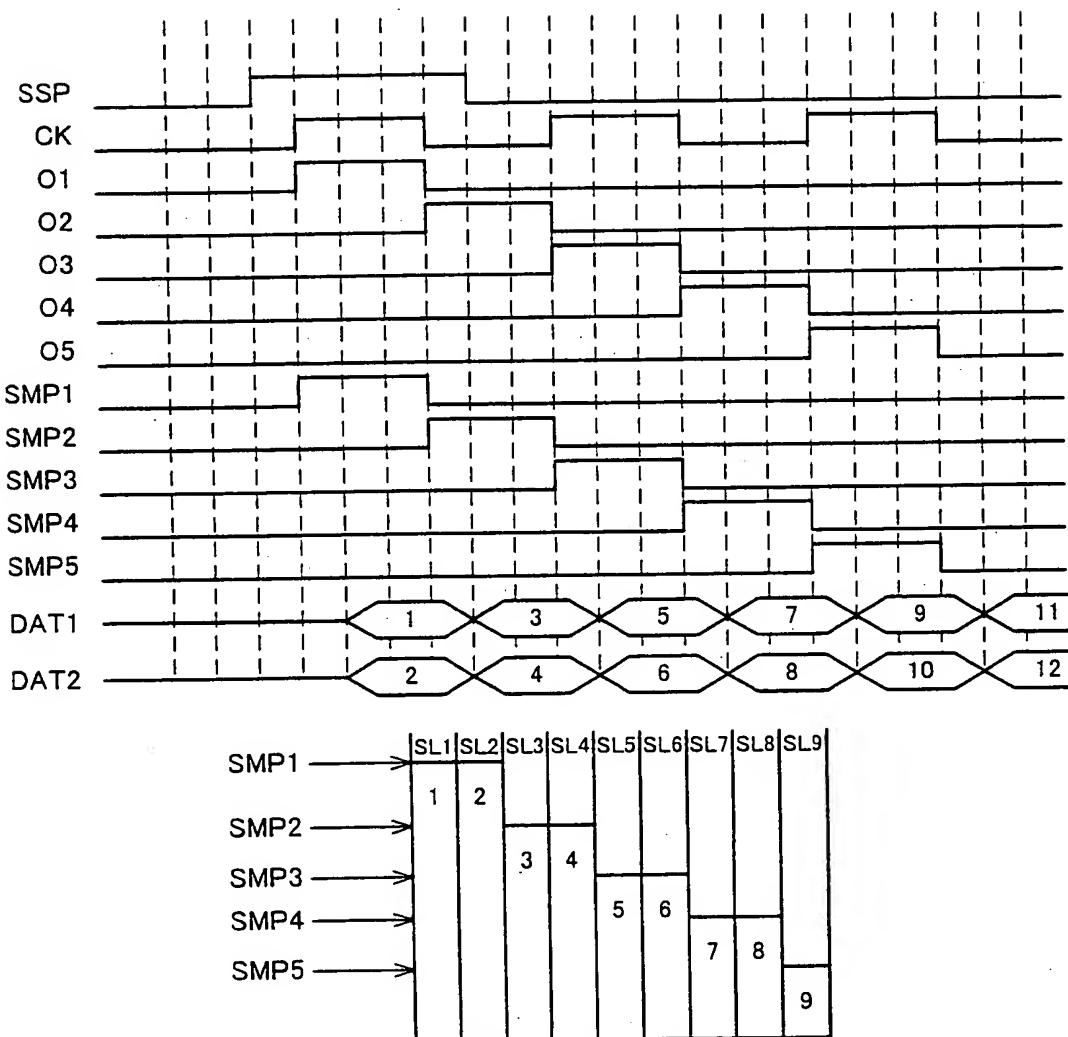
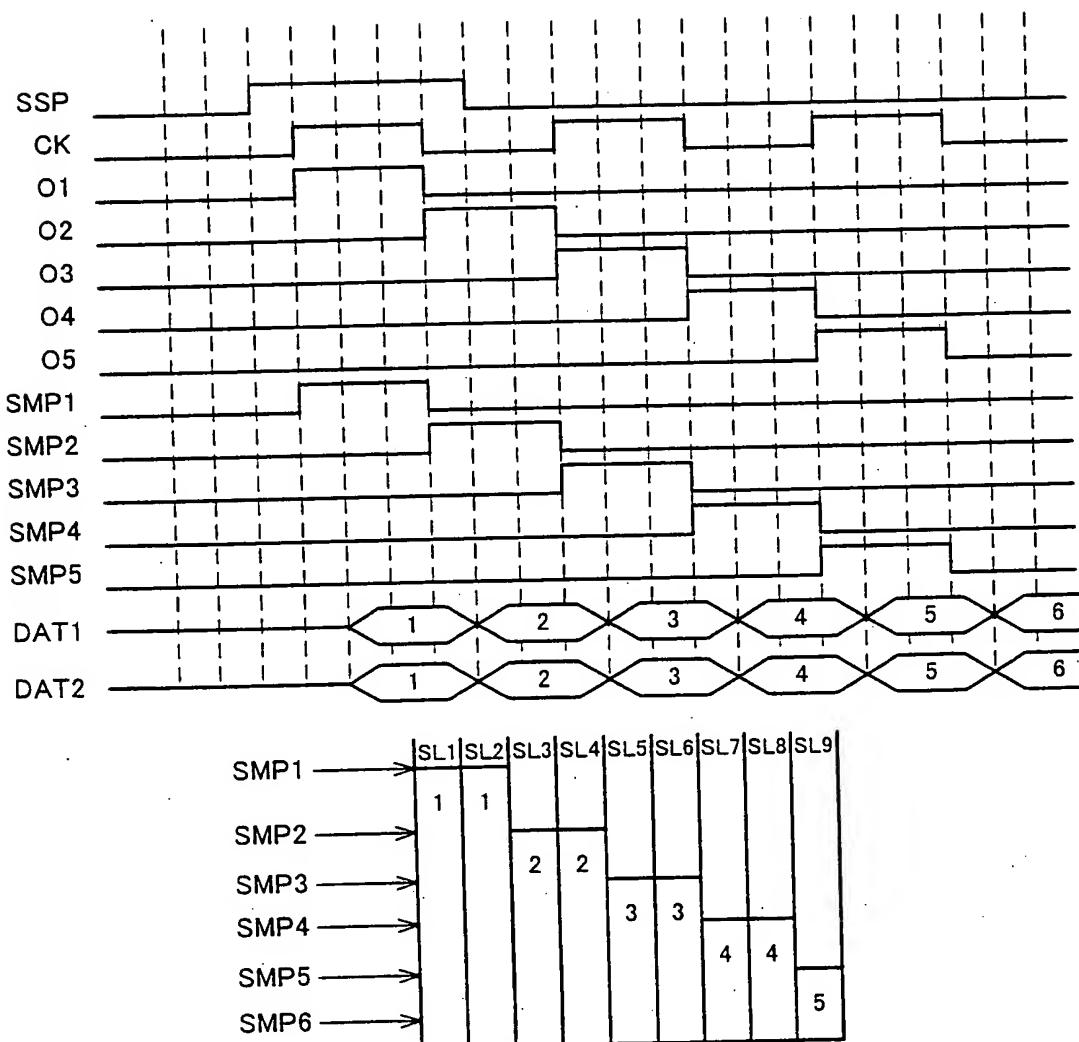


FIG. 24



PRIOR ART

FIG. 25



PRIOR ART